

ABSTRACT

5

**Method and System for Using Single OSD Pixmap Across Multiple Video Raster
Sizes by Chaining OSD Headers**

10 A TV system that uses a single pixmap across multiple video rasters
having different raster sizes. In general, the TV system uses at least two sets of
headers to select different portions of a single pixmap to be displayed based on
different raster sizes. Specifically, each of the headers in a header set points to
a pixel line to select number of pixels for that pixel line. The number of the
headers in a header set determines the height of the pixmap and the pixel
15 number selection by a set of headers determines the width of the pixmap. In
response to different displaying modes, the TV system selectively invokes one of
the two header sets to select different portions of the single pixmap. By doing
so, a single pixmap can be used across multiple video rasters having different
raster sizes.